

U.S. Appln. S.N. 10/550,293
AMENDMENT AFTER FINAL REJECTION

PATENT

IN THE CLAIMS:

Please cancel claim 10, and amend claims 8 and 9, as shown below in the detailed listing of all claims which are, or were, in the application:

Claims 1-7 (Canceled).

8. (Currently amended) A contactless reading system, comprising a plurality of contactless smart cards, wherein each of said contactless smart cards is attached to an object with the aim of identifying this object by means of identification data contained in a chip of the smart card,

a mobile reader equipped with an antenna to read said identification data contained in the chips of said smart cards, wherein said mobile reader comprises a flat antenna support on which is fixed at least three simple antennae connected in series, each antenna comprising a turn of small dimension connected in series with one turn of larger dimension, said turns being circular and concentric and having the same direction of winding, and

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wherein a ratio between the diameter of the circular turn of large dimension and the diameter of the circular turn of small dimension connected in series therewith is between 2 and 3,

in order to obtain a maximum value of the component H of the electromagnetic field produced by the antenna parallel to said antenna support so that reception by a smart card of electromagnetic signal transmitted by said antenna is maximum when said antenna support is placed perpendicular to said card,

wherein each turn of larger dimension is wound 270° and each turn of small dimension is wound 360°, the antenna wire being wound so as to respect a symmetry of the resulting antenna and to obtain a uniformly distributed electromagnetic field according to radial symmetry.

9. (Currently amended) The contactless reading system of claim 8, wherein said mobile reader consists essentially of a flat support on which is fixed three simple antennae, ~~each antenna comprising a turn of small dimension connected in series with one turn of larger dimension, with each turn being wound less than 360°, the antenna wire being wound so as to respect a symmetry of the resulting~~

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~~antenna and to obtain a uniformly distributed electromagnetic field
according to radial symmetry.~~

10. (Canceled).

11. (Previously presented) The contactless reading system of claim 8, wherein each object is arranged substantially parallel to a predefined plane.

12. (Previously presented) The contactless reading system of claim 11, wherein the objects are books placed on shelves of a library.

13. (Previously presented) The contactless reading system of claim 11, wherein said predefined plane is a vertical plane.